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Rombach

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(54) **INTRA-OCULAR ARTIFICIAL LENS FOR IRIS-DRIVEN ACCOMMODATION**

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See application file for complete search history.

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(57) **ABSTRACT**

An intra-ocular artificial lens with variable optical strength, wherein the artificial lens comprises two optical elements which are movable relative to each other in a direction extending transversely of the optical axis, wherein the optical elements have a form such that in different relative positions they together have different optical strengths, wherein the movable optical elements are connected to positioning means which are adapted for coupling to the iris of the eye for the purpose of driving. This measure makes use of the fact that one or both of the optical elements can be displaced relative to each other through the driving of the natural orbicularis muscle of the iris in order to obtain an accommodating function.

20 Claims, 4 Drawing Sheets

